

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation		Disposition			
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER :			

Work Order ID 143446***143446***

Page 2

Tuesday, March 15, 2016 11:49:01 AM

Item ID: DSK078

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: D2893-1 Turning Detail

Start Date: 4/27/2016 Start Qty: 12.00

12

Cust Item ID:

Required Date: 5/12/2016 Req'd Qty: 12.00

12

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							DAS 14 C-39
130						12	8		
Packaging	Memo	0.00							
Packaging	LOCATION: MAT060								16/04/18
140	QC21- Final Inspection - Work Order Release	0.00							
140						MCJ		APR 18 2016	
QC	Memo	0.02							
Quality Control									

MCJ APR 18 2016

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Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Tuesday, March 15, 2016 11:49:01 AM

Page 1

Work Order ID: 143446

143446

Parent Item: DSK078

DSK078

Parent Item Name: D2893-1 Turning Detail

Start Date: 4/27/2016

Required Date: 5/12/2016

Start Qty: 12.00

Required Qty: 12.00

Comments: IPP rev A. 08.03.13 new issue EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6104-005		Manufactured	No				Each	40.0000		12			

D6104-005

Round Billet, 17-4

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
MAT043	40	
141351	10	
142139	10	
142259	20	

10
2

12

DAS
45 2016-4-7
9-89

DQA: _____ Date: _____



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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

DART AEROSPACE LTD		Work Order:	143446
Description: Turning Detail for D2893-1		Part Number:	DSK078
Inspection Dwg: DSK078 Rev: A		Page 1 of 1	

FIRST ARTICLE INSPECTION DIMENSION SHEET

☒ **First Article**

 ☐ **Prototype**

				Record Actual Dimensions				
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	5
Lathe Section								
A	2.707	2.712		2.707	2.707	2.707	2.707	2.708
B	4.946	4.966		4.960	4.956	4.956	4.956	4.956
C	3.064	3.084		3.074	3.074	3.074	3.074	3.074
D	0.718	0.738		0.728	0.728	0.728	0.728	0.728
E	0.090	0.110		0.100	0.100	0.100	0.100	0.100
F	2.934	2.954		2.944	2.944	2.944	2.944	2.944
G	2.166	2.186		2.176	2.176	2.176	2.176	2.176
H	3.890	3.910		3.900	3.900	3.900	3.900	3.900
I	0.914	0.934		0.924	0.924	0.924	0.924	0.924
J	0.022	0.042		0.032	0.032	0.032	0.032	0.032
K	0.109	0.129		0.119	0.119	0.119	0.118	0.118
L								
M								
N								
O								
P								

DAS
45

Measured by:	Date: 2016-4-14
Audited by:	Date: 16/04/18
Prototype Approval:	Date:

Rev	Date	Change	Revised by	Approved
A	08.04.22	New Issue	KJ/JLM	

DART AEROSPACE LTD		Work Order:	143446
Description: Turning Detail for D2893-1		Part Number:	DSK078
Inspection Dwg: DSK078 Rev: A		Page 1 of 1	

FIRST ARTICLE INSPECTION DIMENSION SHEET

☒ **First Article**

 ☐ **Prototype**

				Record Actual Dimensions				
Dim	Min	Max	Go/No Go Gauge	#6	#7	#8	#9	#10
Lathe Section								
A	2.707	2.712		2.708	2.708	2.708	2.708	2.708
B	4.946	4.966		4.956	4.956	4.956	4.956	4.956
C	3.064	3.084		3.074	3.074	3.074	3.074	3.074
D	0.718	0.738		0.728	0.728	0.728	0.728	0.728
E	0.090	0.110		0.100	0.100	0.100	0.100	0.100
F	2.934	2.954		2.944	2.944	2.944	2.944	2.944
G	2.166	2.186		2.176	2.176	2.176	2.176	2.176
H	3.890	3.910		3.900	3.900	3.900	3.900	3.900
I	0.914	0.934		0.924	0.924	0.924	0.924	0.924
J	0.022	0.042		0.032	0.032	0.032	0.032	0.032
K	0.109	0.129		0.118	0.118	0.118	0.118	0.118
L								
M								
N								
O								
P								

Measured by: DAS 45 9-89	Date: 2016-4-14
Audited by: DAS 74 9-89	Date: 16/04/18
Prototype Approval:	Date:

Rev	Date	Change	Revised by	Approved
A	08.04.22	New Issue	KJ/JLM	<i>[Signature]</i>

DART AEROSPACE LTD		Work Order:	143446
Description: Turning Detail for D2893-1		Part Number:	DSK078
Inspection Dwg: DSK078 Rev: A		Page 1 of 1	

FIRST ARTICLE INSPECTION DIMENSION SHEET

☒ **First Article**

 ☐ **Prototype**

				Record Actual Dimensions				
Dim	Min	Max	Go/No Go Gauge	1 1	1 2	1 3	1 4	1 5
Lathe Section								
A	2.707	2.712		2.708	2.708			
B	4.946	4.966		4.956	4.956			
C	3.064	3.084		3.074	3.074			
D	0.718	0.738		0.728	0.728			
E	0.090	0.110		0.100	0.100			
F	2.934	2.954		2.944	2.944			
G	2.166	2.186		2.176	2.176			
H	3.890	3.910		3.900	3.900			
I	0.914	0.934		0.924	0.924			
J	0.022	0.042		0.032	0.032			
K	0.109	0.129		0.118	0.118			
L								
M								
N								
O								
P								

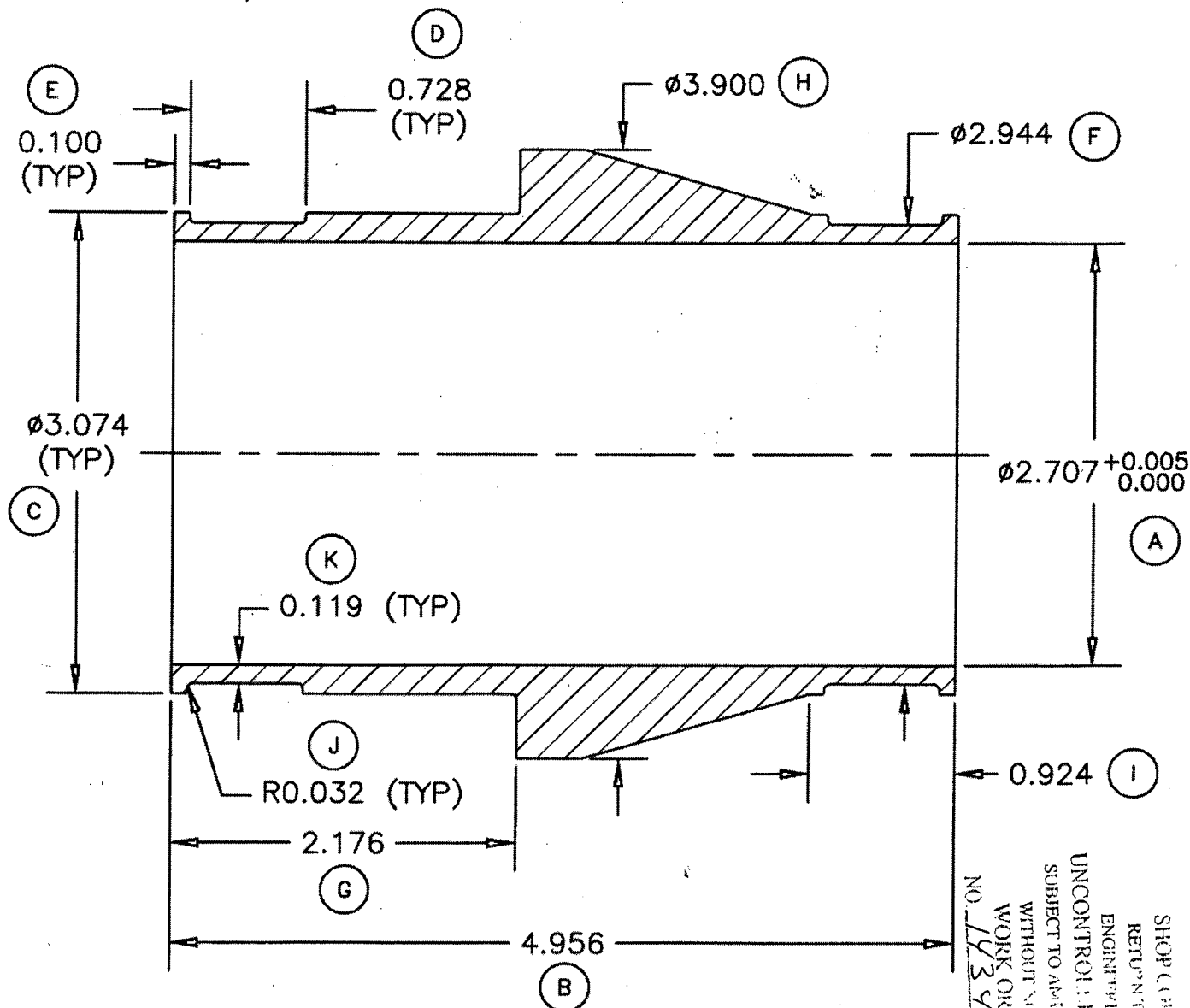
Measured by: 45 9-89 DAS	Date: 2016-4-14
Audited by: 14 9-30 	Date: 16/04/18
Prototype Approval:	Date:

Rev	Date	Change	Revised by	Approved
A	08.04.22	New Issue	KJ/JLM	



DESIGN RT	DRAWN BY RT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED H	APPROVED H	DRAWING NO. DSK 078	REV. A SHEET 1 OF 1
DATE 03.05.20		TITLE TURNING DETAIL FOR D2893-1	SCALE 1:1
A	03.05.20	NEW ISSUE	

RELEASED
03.07.01



D2893-1 TURNING DETAIL

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